

PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Consensus Recommendation: 04-01, Rev. 1

Title: Southwest Plume Investigation Sampling Proposal (Rev. 1)

Reference Document: Site Investigation Work Plan for the Southwest Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky (DOE/OR/07-2094&D2)

Background:

On October 16, 2003, the Citizens Advisory Board (CAB) approved by consensus *Recommendation 04-01 Southwest Plume Investigation Sampling Proposal*. Subsequent to that recommendation, the Water Quality task force determined the storm sewer line leading to Outfall 008 is a United States Enrichment Corporation utilized line, which has continuous non-contact process water flows, in addition to storm water flows. At this time, the U.S. Department of Energy (DOE) has not responded to our initial Recommendation 04-01. Therefore, we would like to submit a revision to this recommendation.

Concerns:

The CAB is concerned that the proposed method of accomplishment will not pinpoint leaks that could be the possible source of contamination along the sewer line.

Recommendation:

The Board requests that DOE include in the Site Investigation Work Plan for the Southwest Plume the following:

- 1. Simultaneous and continuous flow level recording be collected at all manholes along the sewer line of concern.**
- 2. Compare the level recording with soil samples and video camera survey results to determine the actual leak point(s) within the line. If it is determined that the sewer line is a source for the Southwest Plume, the flow level information may help in quantifying the volume of water driving this plume and would aid in computer modeling.**

Approved by Consensus 3/18/04